

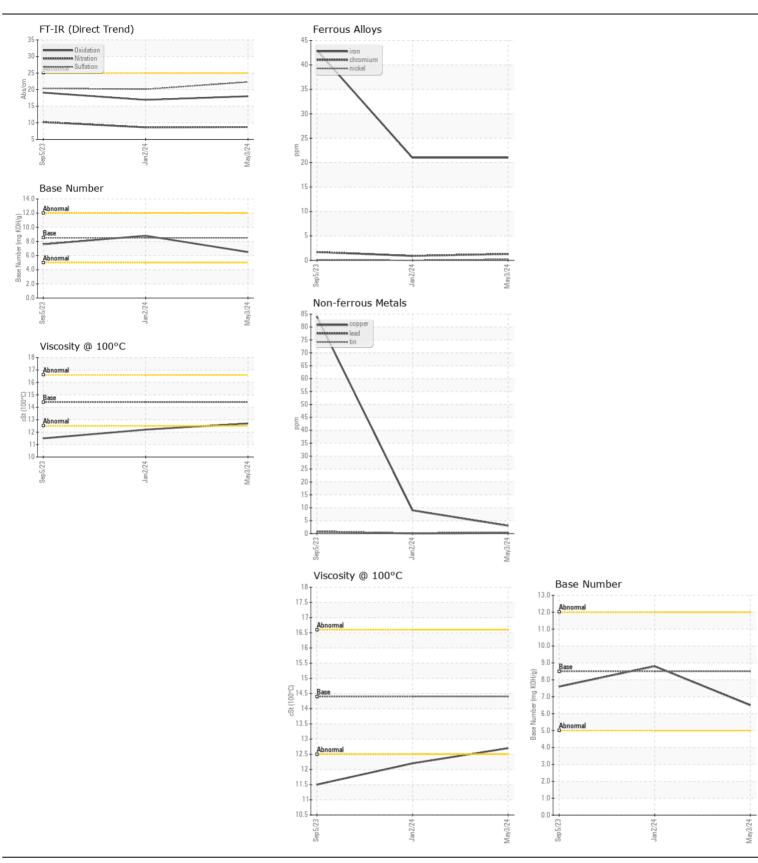
WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Machine Id **31705**

Component
Diesel Engine

Test	UOM	Method	Limit/Ahn	Current	History1	History2
	00111		LITTIOTION		-	
•						05 Sep 2023
	mls			-		7862
•						0
						0
-		Client Info				N/A
•		Client Info			_	N/A
_				_	ATTENTION	NORMAL
Iron	ppm	ASTM D5185m	>100	21	21	43
Chromium	ppm	ASTM D5185m	>20	1	<1	2
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		4	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	6	5	11
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	3	9	84
Tin	ppm		>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m			0	<1
	scalar					NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silioon	nnm	ACTM DE105m	- 25	6	7	28
						24
	ppiii					0.9
						NEG
			<i>></i> 0.∠			NEG
	0/2		~3			0.2
						10.2
						20.4
						NONE
						NONE
						NONE
						NORML
Odor		*Visual			NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		1	2	7
		ACTM DE10Em	250	181	10	32
Boron	ppm	ASTM D5185m	200			0
Barium	ppm	ASTM D5185m	10	<1	0	0
Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m	10	<1 63	70	50
Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	10 100	<1 63 <1	70 1	50 5
Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	10 100 450	<1 63 <1 536	70 1 889	50 5 926
Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	10 100 450 3000	<1 63 <1 536 1350	70 1 889 1057	50 5 926 1395
Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	10 100 450 3000 1150	<1 63 <1 536 1350 971	70 1 889 1057 891	50 5 926 1395 788
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	10 100 450 3000 1150 1350	<1 63 <1 536 1350 971 1096	70 1 889 1057 891 1182	50 5 926 1395 788 999
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	10 100 450 3000 1150 1350 4250	<1 63 <1 536 1350 971 1096 3476	70 1 889 1057 891 1182 2862	50 5 926 1395 788 999 2921
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Oxidation	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D7414	10 100 450 3000 1150 1350 4250 >25	<1 63 <1 536 1350 971 1096 3476 18.0	70 1 889 1057 891 1182 2862 16.9	50 5 926 1395 788 999 2921 19.1
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	10 100 450 3000 1150 1350 4250 >25 8.5	<1 63 <1 536 1350 971 1096 3476	70 1 889 1057 891 1182 2862	50 5 926 1395 788 999 2921
	Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water	Sample Number Sample Date Machine Age mls Oil Age mls Filter Age mls Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel Water Glycol Soot % Nitration Abs/.1mm Silt scalar Sand/Dirt scalar Appearance scalar Cdor scalar Emulsified Water scalar	Sample Number Sample Date Machine Age Oil Age Mls Oil Age Mls Oil Age Mls Oilent Info Oil Age Mls Oilent Info Oil Changed Filter Changed Sample Status Iron Opp Mastm D5185m Chromium Opp Mastm D5185m Nickel Opp Mastm D5185m Titanium Opp Mastm D5185m Aluminum Opp Mastm D5185m Aluminum Opp Mastm D5185m Copper Opp Mastm D5185m Vanadium Opp Mastm D5185m Visual Appearance Odor Scalar Visual	Sample Number Sample Date Machine Age Mis Oil Age Mis Oil Age Mis Oil Changed Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Dem Machine Age Mis Oil Changed Filter Changed Sample Status Iron Chromium Dem Machine Age Mickel Dem Machine Age Nickel Dem Machine Age Mis Client Info Client Info Client Info Client Info Client Info Sample Status Iron Dem Machine Machine Machine Mis Client Info Client Info Client Info Sample Status Iron Dem Machine Machine Machine Machine Mis Client Info Machine Mac	Sample Number Client Info WC0903091 Sample Date Client Info 03 May 2024 Machine Age mls Client Info 60000 Oil Age mls Client Info 60000 Filter Age mls Client Info Changed Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status NORMAL Iron ppm ASTM D5185m >100 21 Chromium ppm ASTM D5185m >20 1 Nickel ppm ASTM D5185m >4 <1	Sample Number Client Info WC0903091 WC0975718 Sample Date Client Info 03 May 2024 02 Jan 2024 Machine Age mls Client Info 60000 17438 Oil Age mls Client Info 60000 0 Filter Age mls Client Info Changed Changed Filter Changed Client Info Changed Changed Changed Filter Changed Client Info Changed Changed Changed Sample Status NORMAL ATTENTION ATTENTION Iron ppm ASTM D5185m >100 21 21 21 Chromium ppm ASTM D5185m >20 1 <1







Certificate L2367

Laboratory Sample No.

: WC0903091 Lab Number : 06189997 Unique Number : 11046749 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2024 **Tested**

: 31 May 2024 : 31 May 2024 - Wes Davis Diagnosed

SALEM NATIONALEASE CORPORATION 198 PARK PLAZA DRIVE

WINSTON SALEM, NC US 27105

Contact: Audrey Hopkins Audrey.Hopkins@salemcorp.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x:

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